

Cement, Concrete, and Aggregates

Index to Volume 2

1980

A-B

Acceptability: Use of CCRL reference sample results for precision statements (ASTM subcommittee C01.94 on statistical methods), Summer, 50

Admixtures: Effect of mixing temperature on slump loss and setting time of concrete containing high-range water reducers (Whiting), Summer, 31

Air: Formula for calculating spacing factor for entrained air voids (Walker), Winter, 63

Air entrainment: Air content of hardened concrete from comparison electron microscope photographs (Mullen and Waggoner), Summer, 43

Alkali aggregate reactions: Alkali-silica reactivity: some reconsiderations (Stark), Winter, 92

Alkali resistance tests: Pigments for integrally colored concrete (ASTM task group C09.03.08.05 on pigments), Winter, 74

Andesite: Alkali-silica reactivity: some reconsiderations (Stark), Winter, 92

Area: An analytical approach to gap-graded concrete (Ehrenburg), Summer, 39

ASTM subcommittee C01.94 on statistical methods: Use of CCRL reference sample results for precision statements, Summer, 50

ASTM Task Group C09.03.08.05 on pigments: Pigments for integrally colored concrete, Winter, 74

Bibliographies: High-strength concrete: an annotated bibliography 1930-1979 (Carrasquillo, Nilson, and Slatte), Summer, 3

Blast furnaces: A possible method for identifying fly ashes that will improve the sulfate resistance of concretes (Dunstan), Summer, 20

Book review: *Fibre Cements and Fibre Concretes* (Shah), Winter, 103

Bridges [structures]: Alkali-silica reactivity: some reconsiderations (Stark), Winter, 92

Buchanan, C. E., Jr.: Rapid determination of the predominant form of calcium sulfate found in portland cement and its effect on premature stiffening, Winter, 84

C-D

Calcium sulfates: Rapid determination of the predominant form of calcium sulfate found in portland cement and its effect on premature stiffening (Buchanan), Winter, 84

Carrasquillo, R. L., Nilson, A. H., and Slatte, F. O.: High-strength concrete: an annotated bibliography 1930-1979, Summer, 3

Chemical properties: A possible method for identifying fly ashes that will improve the sulfate resistance of concretes (Dunstan), Summer, 20

Color: Pigments for integrally colored concrete (ASTM task group C09.03.08.05 on pigments), Winter, 74

Concrete durability: Formula for calculating spacing factor for entrained air voids (Walker), Winter, 63

Concretes: Roughness of aggregates of different types by the Fourier methods and scanning electron microscopy (Czarnecka and Gillott), Winter, 57

Conway, J. T.: A method for the determination of consistency and consistency retention (board life) of masonry mortars (Conway), Winter, 89

Czarnecka, E. T. and Gillott, J. E.: Roughness of aggregates of different types by the modified Fourier method and scanning electron microscopy, Winter, 57

Dunstan, E. R., Jr.: A possible method for identifying fly ashes that will improve the sulfate resistance of concretes, Summer, 20

E-G

Ehrenburg, D. O.: An analytical approach to gap-graded concrete, Summer, 39

Electron microscopy: Air content of hardened concrete from comparison electron microscope photographs (Mullen and Waggoner), Summer, 43

Fly ash: A possible method for identifying fly ashes that will improve the sulfate resistance of concretes (Dunstan), Summer, 20

Fontana, J. J. and Zeldin, A.: Concrete polymer materials as alternative construction materials for geothermal applications—field evaluations, Winter, 67

Fourier analysis: Roughness of aggregates of different types by the modified Fourier method and scanning electron microscopy (Czarnecka and Gillott), Winter, 57

Geothermy: Concrete polymer materials as alternative construction materials for geothermal applications—field evaluations (Fontana and Zeldin), Winter, 67

Gillott, J. E.: see Czarnecka, E. T. and Gillott, J. E.

Gouda, G. R. and Roy, D. M.: Quick determination of cement properties through the use of hot-pressing, Winter, 74

H-L

High-strength concrete: High-strength concrete: an annotated bibliography 1930-1979 (Carrasquillo, Nilson, and Slatte), Summer, 3

Hot pressing: Quick determination of cement properties through the use of hot-pressing (Gouda and Roy), Winter, 78

Kantro, D. L.: Influence of water-reducing admixtures on properties of cement paste—a miniature slump test, Winter, 95

Letters

Letter to the editor (Mather): Winter, 104
Letter to the editor (Smith): Winter, 104

M-N

Masonry: A method for the determination of consistency and consistency retention (board life) of masonry mortars (Conway), Winter, 89

Mather, B.: Letter to the editor, Winter, 104
Measuring instruments: A method for the determination of consistency and consistency retention (board life) of masonry mortars (Conway), Winter, 89

Mixtures: An analytical approach to gap-graded concrete (Ehrenburg), Summer, 39

Mortars (materials): A method for the determination of consistency and consistency retention (board life) of masonry mortars (Conway), Winter, 89

Mullen, W. G. and Waggoner, C. K.: Air content of hardened concrete from comparison electron microscope photographs, Summer, 43

Nilson, A. H.: see Carrasquillo, R. L., Nilson, A. H., and Slatte, F. O.

P-R

Photomicrography: Air content of hardened concrete from comparison electron microscope photographs (Mullen and Waggoner), Summer, 43

Pigments: Pigments for integrally colored concrete (ASTM task group C09.03.08.05 on pigments), Winter, 74

Polymer concrete: Concrete polymer materials as alternative construction materials for geothermal applications—field evaluations (Fontana and Zeldin), Winter, 67

Polymer-impregnated concrete: Concrete polymer materials as alternative construction materials for geothermal applications—field evaluations (Fontana and Zeldin), Winter, 67

Portland cements

Influence of water-reducing admixtures on properties of cement paste—a miniature slump test (Kantro), Winter, 95

Rapid determination of the predominant form of calcium sulfate found in portland cement and its effect on premature stiffening (Buchanan), Winter, 84

Precision: Use of CCRL reference sample results for precision statements (ASTM subcommittee C01.94 on statistical methods), Summer, 50

Pressure: Quick determination of cement properties through the use of hot-pressing (Gouda and Roy), Winter, 78

Quality control: Use of CCRL reference sample results for precision statements (ASTM subcommittee C01.94 on statistical methods), Summer, 50

Retardants: Effect of mixing temperature on slump loss and setting time of concrete containing high-range water reducers (Whiting), Summer, 31

Roy, D. M.: see Gouda, G. R. and Roy, D. M.

S-V

Setting time: Effect of mixing temperature on slump loss and setting time of concrete containing high-range water reducers (Whiting), Summer, 31

Shah, S. P.: Review of *Fibre Cements and Fibre Concretes*, Winter, 103

Slate, F. O.: see Carrasquillo, R. L., Nilson, A. H., and Slate, F. O.

Smith, R. H.: Letter to the editor, Winter, 104

Stark, D.: Alkali-silica reactivity: some reconsiderations, Winter, 92

Stiffening: Rapid determination of the predominant form of calcium sulfate found in portland cement and its effect on premature stiffening (Buchanan), Winter, 84

Surface properties: Roughness of aggregates of different types by the modified Fourier method and scanning electron microscopy (Czarnecka and Gillott), Winter, 57

Voids
An analytical approach to gap-graded concrete (Ehrenburg), Summer, 39

Formula for calculating spacing factor for entrained air voids (Walker), Winter, 63

W-Z

Waggoner, C. K.: see Mullen, W. G. and Waggoner, C. K.

Walker, H. N.: Formula for calculating spacing factor for entrained air voids, Winter, 63

Water cement ratio: Quick determination of cement properties through the use of hot-pressing (Gouda and Roy), Winter, 78

Water-reducing agents: Influence of water-reducing admixtures on properties of cement paste—a miniature slump test (Kantro), Winter, 95

Whiting, D.: Effect of mixing temperature on slump loss and setting time of concrete containing high-range water reducers, Summer, 31

Workability: Influence of water-reducing admixtures on properties of cement paste—a miniature slump test (Kantro), Winter, 95

Zeldin, A.: see Fontana, J. J. and Zeldin, A.

